



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

647.3916

Job Sheet 171200



Part No: 647.3916

Job Qty: 8 ea

Part Name: Deflector



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/30/18

Job Tracking No:

Due Date: 2/28/18

Created By: Michelle Gagnon-Donovan

Type: Stock

Description:

Note: DWG REV C2 SHEETS 1,11 IPP REV A RQ 14/05/28 VERIFIED BY DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	8 Ea	2/27/18	2/27/18	0.00	0.00	Start Up Machining-1		
100	Bandsaw	8 pcs	2/27/18	2/27/18	0.00	0.01	Bandsaw1		
110	CNC Vertical Machining	8 pcs	2/28/18	2/28/18	0.49	17.20	HAAS1-5		
120	QC	8 pcs	2/28/18	2/28/18	0.00	0.00	QC2 Machining-1		
130	QC	8 pcs	2/28/18	2/28/18	0.00	0.00	QC8 Machining-1		
140	Outsource	8 pcs	2/28/18	2/28/18			ATG001-VC	5	
150	Packaging	8 pcs	2/28/18	2/28/18	0.00	0.00	Packaging2		
155	QC	8 pcs	2/28/18	2/28/18	0.00	0.00	QC5		
180	Packaging	8 pcs	2/28/18	2/28/18	0.00	0.00	Packaging3-1		
190	QC21-SA	8 Ea	2/28/18	2/28/18	0.00	0.00	QC21		

Part Op 100 - Cut Blank at 16.625"

Descriptions: 110 - 1-Machine per folio FB295

140 - Issue P/O to ATG : _____ Hard Anodize Color Black, Prime as per Dwg 647.3900 Rev. C

150 - Mat'l Certs req'd.

180 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M7075T6B4.000X03.000	7075-T6 Bar 4.000" X 3.000"	10.8320 ft (1.354 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M7075T6B4.000X03.000	11	0	0

M138202-190 = 5x
S070017 = 3x

Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Deflector, Upper Half	0.340inches + 0.000 - 0.050	0.340 0.290		
2	Deflector, Upper Half	0.063inches ± 0.005	0.068 0.058	Radius	
3	Deflector, Upper Half	0.125inches ± 0.005	0.130 0.120	Radius	
4	Deflector, Upper Half	0.188inches ± 0.005	0.193 0.183		
5	Deflector, Upper Half	0.830inches ± 0.005	0.835 0.825		
6	Deflector, Upper Half	2.000inches ± 0.005	2.005 1.995		
7	Deflector, Upper Half	0.813inches ± 0.005	0.818 0.808		
8	Deflector, Upper Half	0.063inches ± 0.005	0.068 0.058	Radius	
9	Deflector, Upper Half	0.201inches + 0.005 - 0.001	0.206 0.200	Diameter	
10	Deflector, Upper Half	65.000Degrees ± 0.500	65.500 64.500	Angle	
11	Deflector, Upper Half	0.192inches + 0.005 - 0.001	0.197 0.191	Diameter	
12	Deflector, Upper Half	20.000degrees ± 0.500	20.500 19.500	angle	
13	Deflector, Upper Half	0.196inches ± 0.010	0.206 0.186	diameter	
14	Deflector, Upper Half	0.385inches ± 0.020	0.405 0.365	diameter	
15	Deflector, Upper Half	100.000degrees ± 0.100	100.100 99.900	angle	
16	Deflector, Upper Half	0.500inches ± 0.005	0.505 0.495		
17	Deflector, Upper Half	0.460inches ± 0.005	0.465 0.455		
18	Deflector, Upper Half	1.500inches ± 0.005	1.505 1.495		
19	Deflector, Upper Half	1.500inches ± 0.005	1.505 1.495		
20	Deflector, Upper Half	1.500inches ± 0.005	1.505 1.495		

Plav 1/31/18 9:56 AM Dart Gagnon.Michelle

DART
AEROSPACE

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
Tel.: 1 613 832-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S116737

Part: 647.3916

Job No: 171200

Serial No/Batch: S116737

Revision:
Inspector:
Exp Date:
Instructions:

Date: 10/09/18

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
		OTHER : ☐							



APICAL INDUSTRIES, INC.
dba DART AEROSPACE

TRANSACTION CODES (TC)
A-ADD C-CREATE
R-REVISE D-DELETE

ENGINEERING CHANGE NOTICE NO. 04948

SHEET 1 OF 2

DWG NO. 647.3900

REV: C

PREPARED BY: M. ANDECK

DATE: 05/04/15

EFFECT ON DWG
☐ INC. ☒ UNINC.

DWG TITLE: DEFLECTORS

APPROVED BY:

ENGR

MFG

QC

EFF:

CURRENT ORDER

REASON: REVISED TOLERANCE AND NOTES

ECR:

D-15-01

NOTES:

1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.

2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III,
CLASS 2, COLOR BLACK;

3. DEBURR AND BREAK ALL SHARP EDGES.

4. IDENTIFY IAW MPP-120.

5 APPLY F/N 3 AS REQUIRED TO ALL FAYING SURFACES
OF F/N 6, 7 & 8 UPON ASSY.

6 MAXIMUM OR MINIMUM DIMENSION AFTER FINISH.

7 .0625 HOLE MAY BE ADDED FOR FINISHING PURPOSES

8 FINISH: PRETREAT PR-148 ADHESION PROMOTER,
PRIME IAW MIL-P-23377J, TYPE I, CLASS N;
1-2 MIL MAX. APPLY FINISH AFTER ASSEMBLY.

9 FINISH: PRETREAT PR-148 ADHESION PROMOTER,
PRIME IAW MIL-P-23377J, TYPE I, CLASS N;
1-2 MIL MAX.

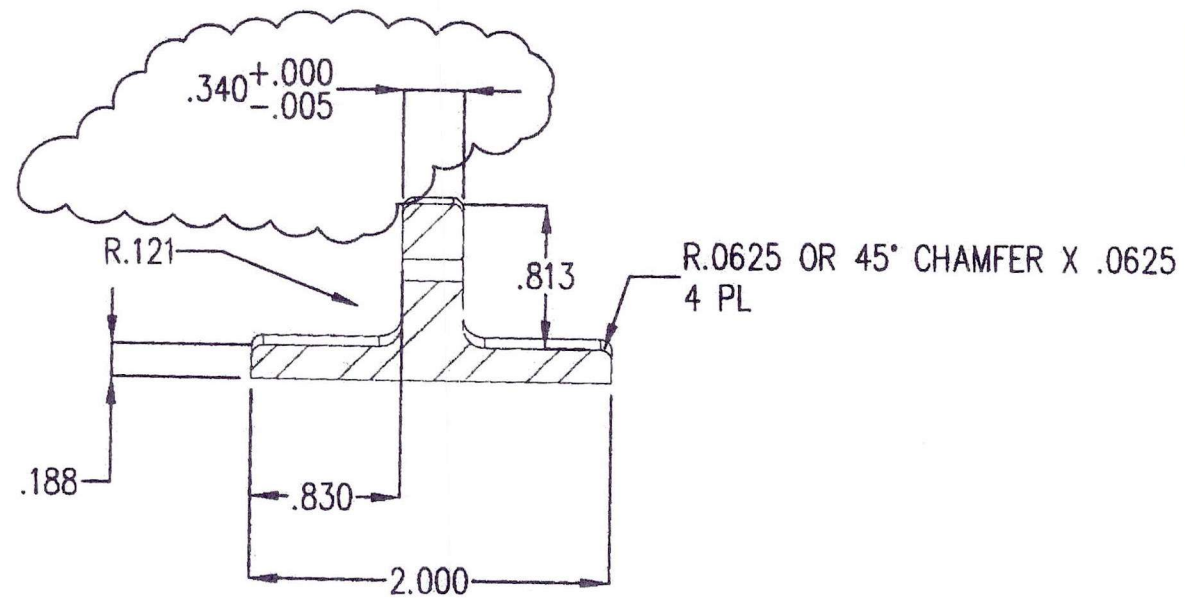
10 MATERIAL: ALUMINUM 2024-T3 PER AMS-QQ-A-250/4.

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 171200

JAN 31 2018

SHEET 1, ZONE B1 IS:

11	R	647.3917	2				DOUBLER		
F/N TC	PART NUMBER	.3903	.3902	.3901			DESCRIPTION	MATERIAL	SPECIFICATION
		QTY							
DOCUMENTS EFFECTED:								CHANGE CATEGORY	
☐ PATTERN ☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM								☐ MAJOR ☒ MINOR	
								DER REVIEW REQUIRED	
								☐ YES ☒ NO	

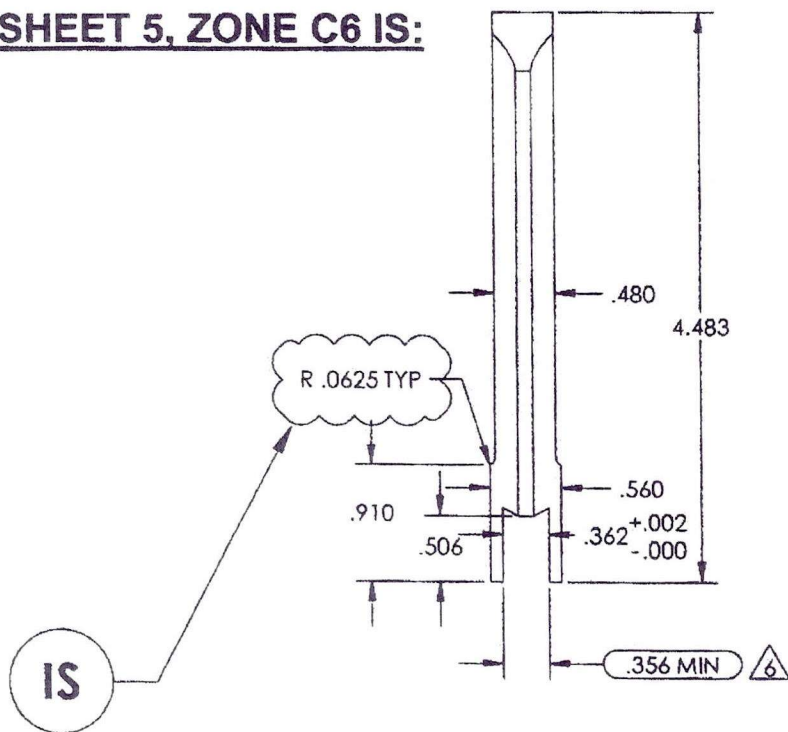


SECTION AT-AT

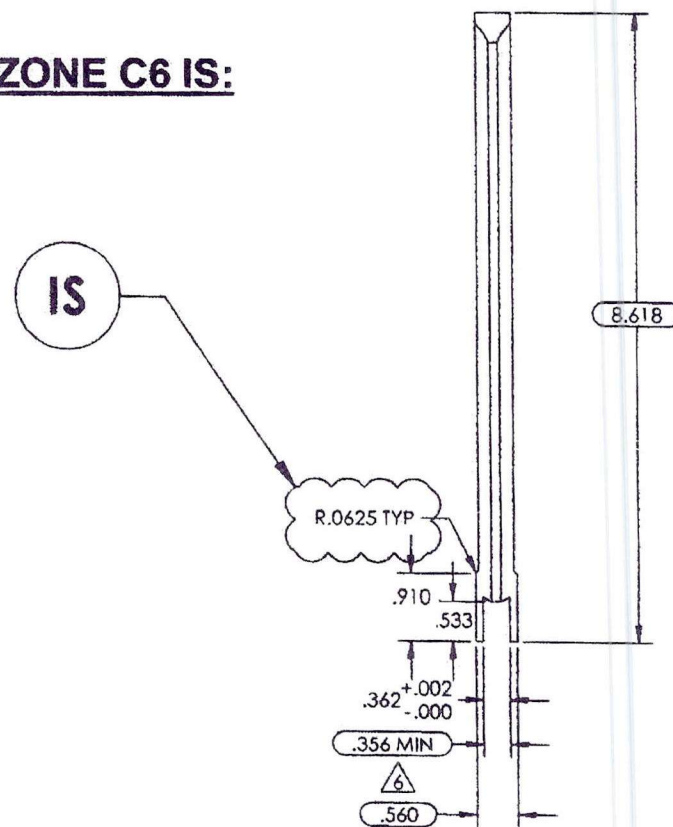
SHEET 11, ZONE C1 IS:

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 04556		SHEET 1 OF 2	
	DWG NO. 647.3900	REV: C	PREPARED BY D. MEJIA	DATE: 06/10/2014
	DWG TITLE: DEFLECTORS			
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF. NEXT ORDER
TRANSACTION CODES (TC): A-ADD R-REVISE C-CREATE D-DELETE	REASON: CHANGED P/N, DIMENSIONS & REVISED BOM			ECR: D-14-04

SHEET 5, ZONE C6 IS:

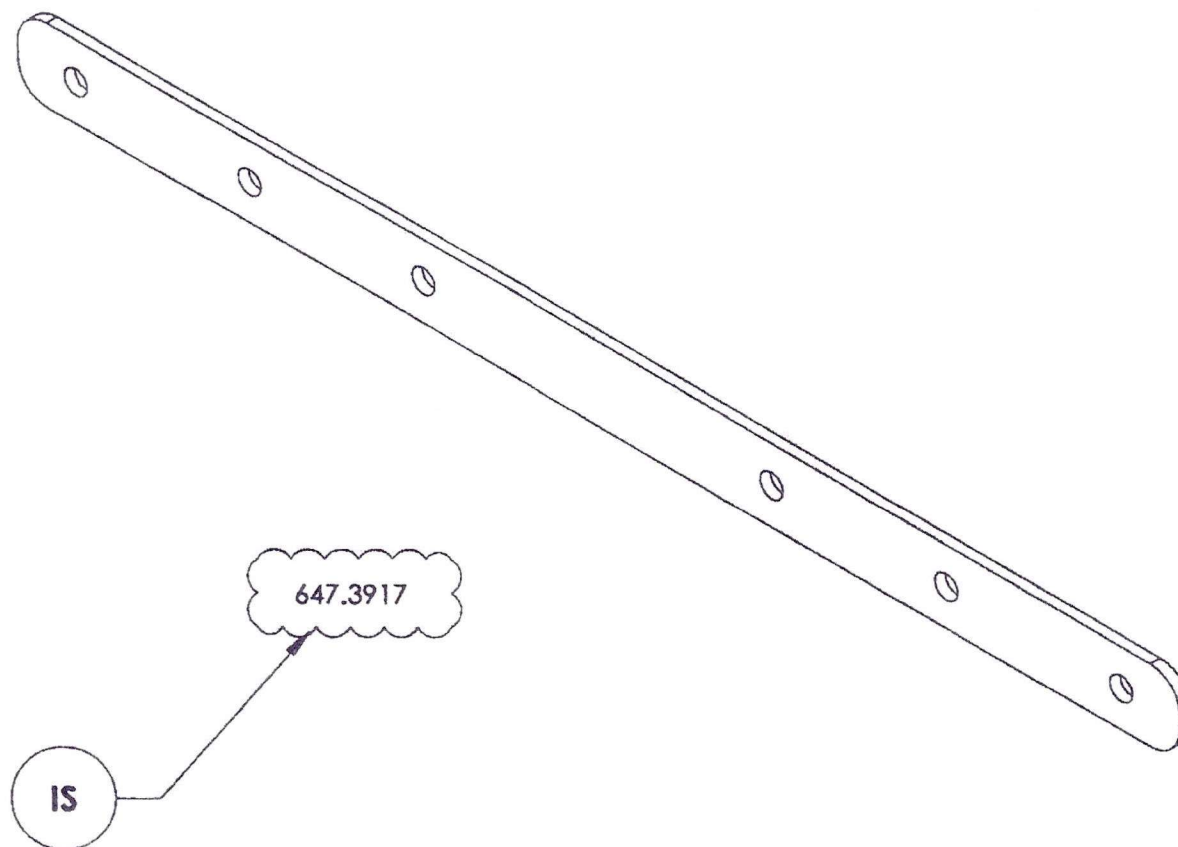


SHEET 6, ZONE C6 IS:



SHEET 1, BOM IS:

11	R	647.3917	2			DOUBLER		
F/N	TC	PART NUMBER	.3903	.3902	.3901	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY					
DOCUMENTS EFFECTED:							CHANGE CATEGORY	DER REVIEW REQUIRED
☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☒ BOM							☐ MAJOR ☒ MINOR	☐ YES ☒ NO

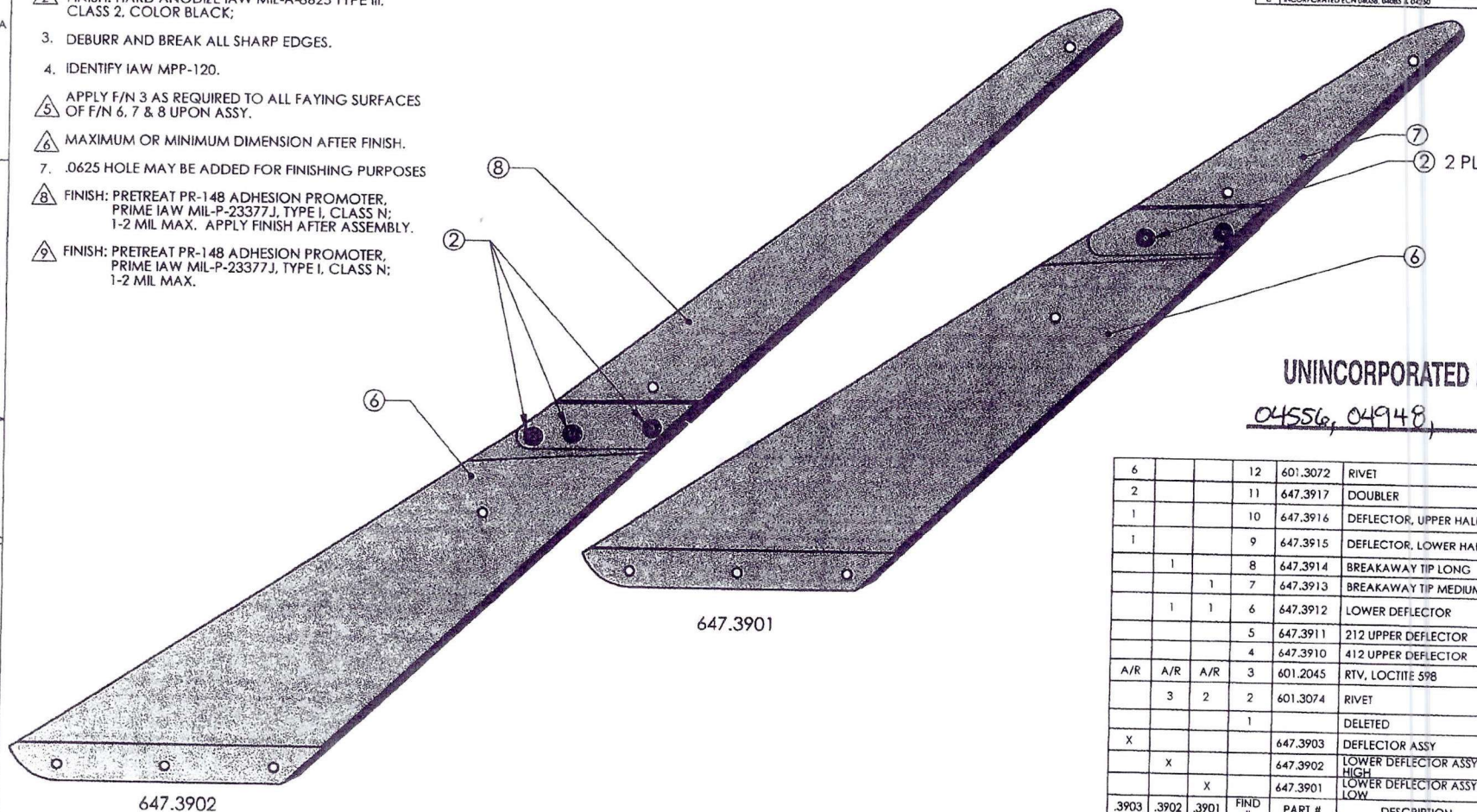
SHEET 12, ZONE B5 IS:

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NOTES:

1. MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.
2. FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;
3. DEBURR AND BREAK ALL SHARP EDGES.
4. IDENTIFY IAW MPP-120.
5. APPLY F/N 3 AS REQUIRED TO ALL FAYING SURFACES OF F/N 6, 7 & 8 UPON ASSY.
6. MAXIMUM OR MINIMUM DIMENSION AFTER FINISH.
7. .0625 HOLE MAY BE ADDED FOR FINISHING PURPOSES.
8. FINISH: PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J, TYPE I, CLASS N; 1-2 MIL MAX. APPLY FINISH AFTER ASSEMBLY.
9. FINISH: PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J, TYPE I, CLASS N; 1-2 MIL MAX.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	LAST PROTOTYPE RELEASE: P81		N/C
N/C	INITIAL RELEASE	09/10/09	P. BRAVO
A	INCORPORATED ECN 02864, 03539 & 03955	07/24/12	P. BRAVO
B	INCORPORATED ECN 04025	08/02/13	P. BRAVO
C	INCORPORATED ECN 04028, 04085 & 04150	11/18/13	P. BRAVO



UNINCORPORATED ECN(s)

04556, 04948,

6			12	601.3072	RIVET	CR3213-6-9		
2			11	647.3917	DOUBLER			
1			10	647.3916	DEFLECTOR, UPPER HALF		△	△
1			9	647.3915	DEFLECTOR, LOWER HALF		△	△
	1		8	647.3914	BREAKAWAY TIP LONG		△	△△
		1	7	647.3913	BREAKAWAY TIP MEDIUM		△	△△
	1	1	6	647.3912	LOWER DEFLECTOR		△	△△
			5	647.3911	212 UPPER DEFLECTOR		△	△△
			4	647.3910	412 UPPER DEFLECTOR		△	△△
A/R	A/R	A/R	3	601.2045	RTV, LOCTITE 598			△
	3	2	2	601.3074	RIVET	MS20470AD 6-12		
			1		DELETED			
X				647.3903	DEFLECTOR ASSY			△
	X			647.3902	LOWER DEFLECTOR ASSY HIGH			
		X		647.3901	LOWER DEFLECTOR ASSY LOW			
.3903	.3902	.3901	FIND #	PART #	DESCRIPTION	MATL	SPEC	
QTY				PARTS LIST				
NEXT ASSY (S)				ORIGINAL DATE	09-10-09	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300		
647.3800				DRAWN BY	DISCHUR			
				CHECKED BY	DISCHUR			
				DRAWING APPROVAL	P. BRAVO			
				CONTRACT NO.		DEFLECTORS SEE CAGE CODE 07M26 DWG. NO. 647.3900 SCALE NONE SHEET 1 OF 12		
				UNLESS OTHERWISE SPECIFIED				
				DIMENSIONS ARE IN INCHES				
				TOLERANCES ARE				
				2 PLACE DECIMALS ±.01				
				3 PLACE DECIMALS ±.005				
				ANGLES ±.5°				

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.125 X 45.0° TYP

SECTION B-B

Ø.177 THRU 3PL

.266 X 17.9°

.045

.603

R.915

.923

2.110±.002

4.220±.002

DETAIL A

R.279

R3.406

15.896

15.304

15.046

B

B

Ø.189

6.446

40.2°

.312

0

18.502
18.127

35.8°

10.702

8.599

6.253

1.700
.777

0

6

.340^{+0.000}
-.002

.346 MAX

DETAIL C

.700

.035 X 45.0° TYP

.375

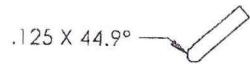
15.896

C

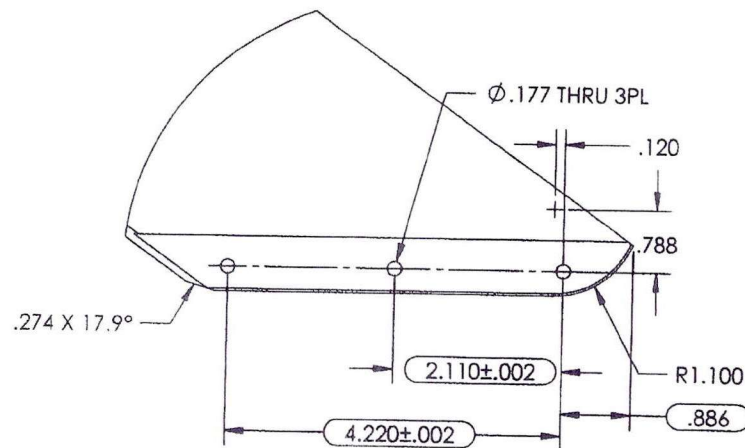
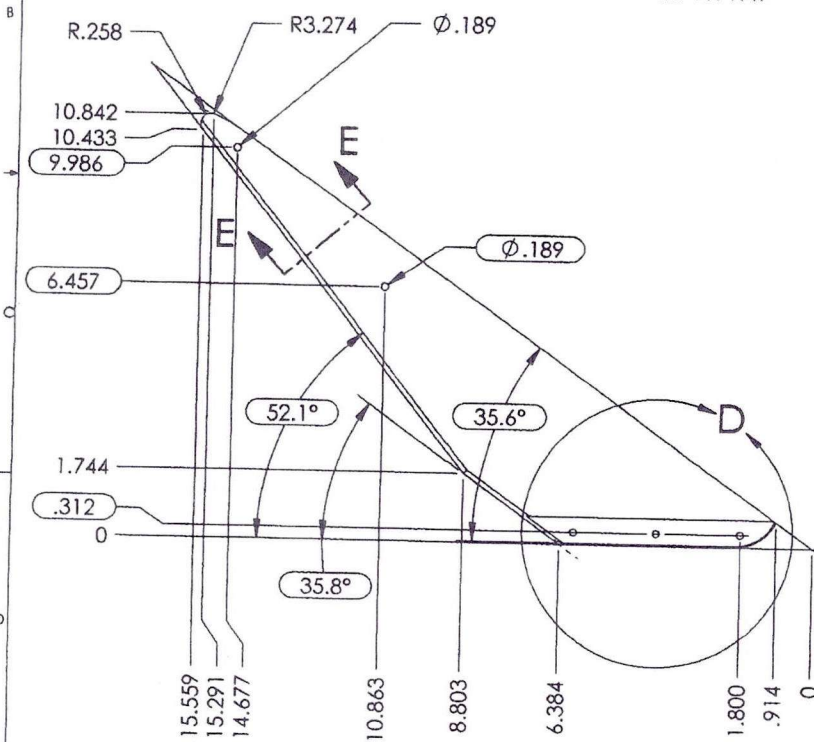
647.3911

ORIGINAL DATE 06/04/05 09:10:09		APICAL INDUSTRIES	
DRAWN BY D.SCHUB	CHECKED D.BARKER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 06/10/05		DEFLECTORS	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		REV. C	REV. C
SCALE NONE	SHEET 2 OF 12	DWG. NO. 647.3900	

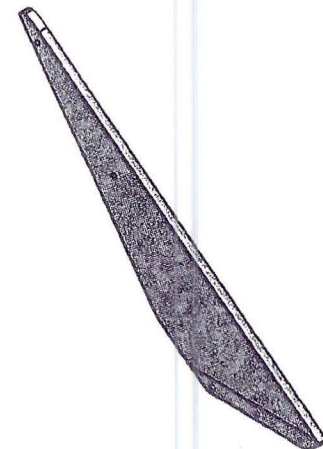
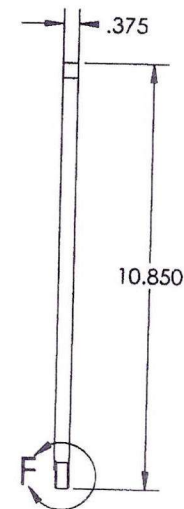
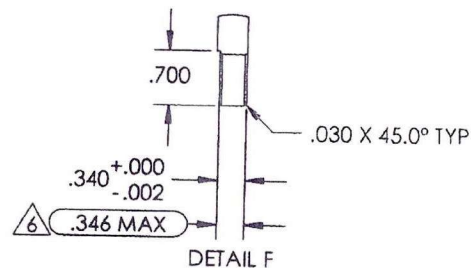
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SECTION E-E



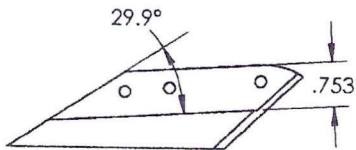
DETAIL D



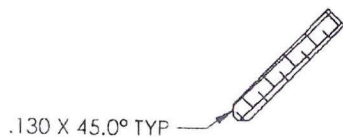
647.3910

ORIGINAL DATE 1/20/04-1/21/04		APICAL INDUSTRIES	
DRAWN BY D.SCHUP		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
DRAWING APPROVAL P. BRAY		DEFLECTORS	
CONTRACT NO.		DWG. NO. 647.3900	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SCALE: NONE	REV C
		SHEET 3 OF 12	

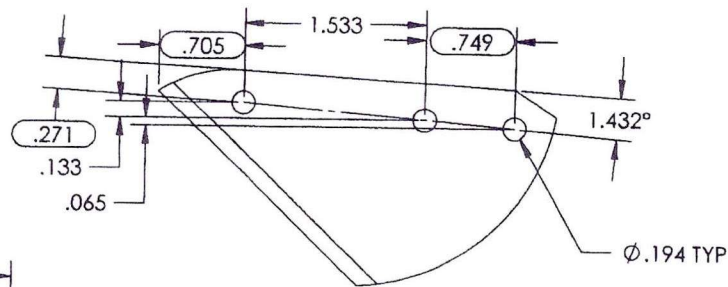
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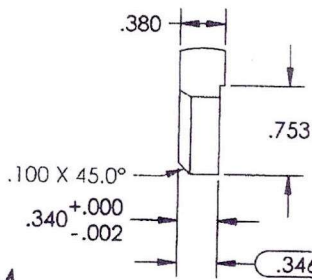
SECTION L-L



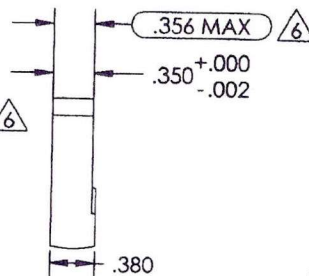
SECTION M-M



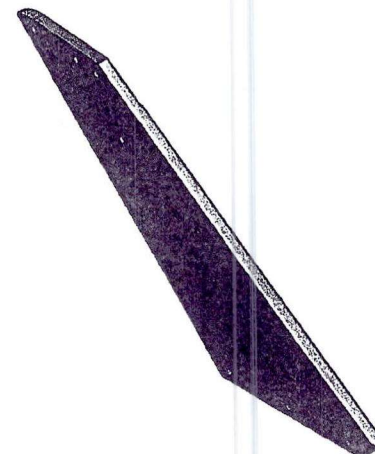
DETAIL H



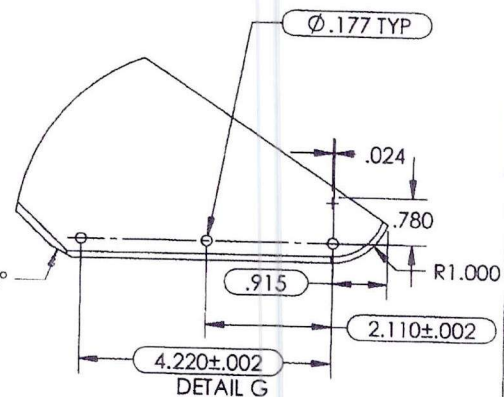
DETAIL J



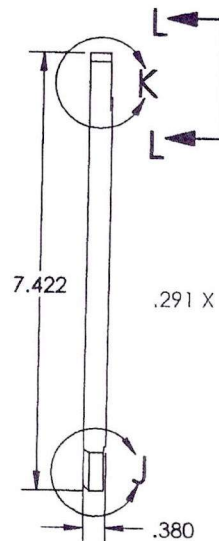
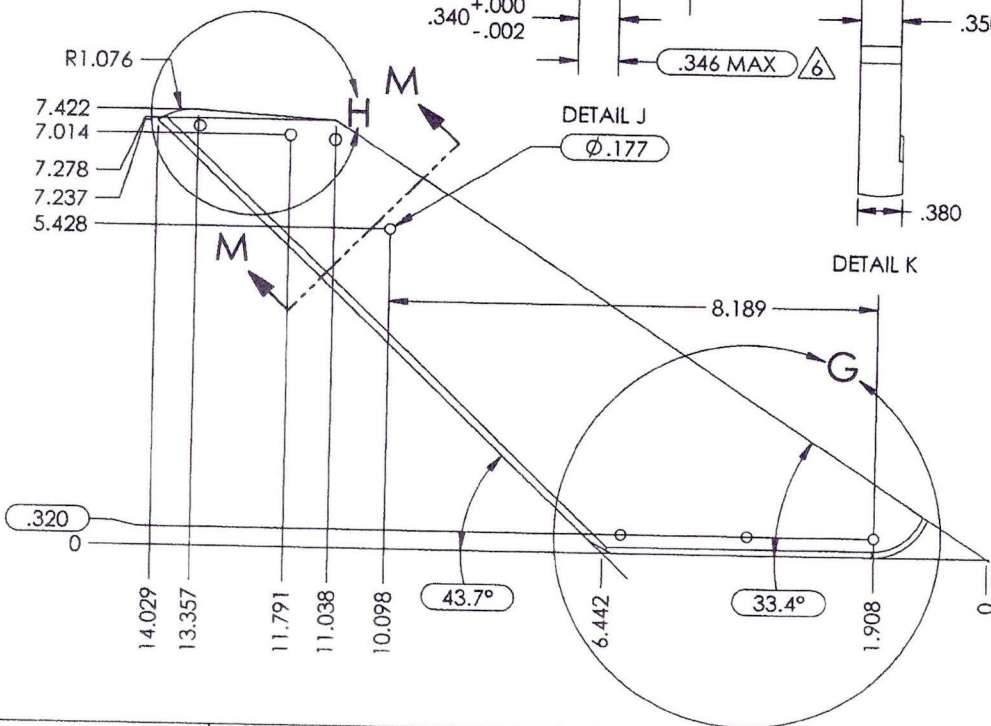
DETAIL K



647.3912



DETAIL G



ORIGINAL DATE 09-10-09		APICAL INDUSTRIES	
DRAWN BY TCHIEF		2608 TEMPLE HEIGHTS DR.	
CHECKED BY TCHIEF		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		DEFLECTORS	
CONTRACT NO.		REV. C	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°		SIZE B	DWG. NO. 647.3900
		SCALE NONE	SHEET 4 OF 12

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SECTION N-N

SECTION AD-AD

DEFLECTORS

647.3913

647.3900

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

DEFLECTORS

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°

ORIGINAL DATE: 09-10-00
DRAWN BY: D.SCHUR
CHECKED BY: D.BARKER
DRAWING APPROVAL: 09-10-00
CONTRACT NO:

SHEET 5 OF 12

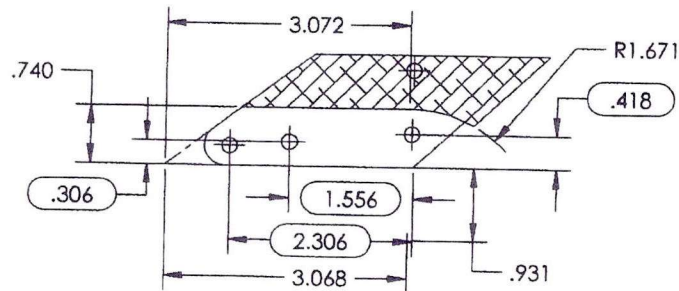
647.3913

ORIGINAL DATE MO-DA-YR 09-10-09	APICAL INDUSTRIES		
DRAWN BY T. SCHUR	2608 TEMPLE HEIGHTS DR.		
CHECKED BY D. BAKER	OCEANSIDE, CA 92056-3512 (760) 724-5300		
DRAWING APPROVAL P. 09-10-09	DEFLECTORS		
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. PLACE DECIMALS .001 2. PLACE DECIMALS .005 ANGLES ± .5°	SIZE	CAGE CODE	DWG. NO.
		07M726	647.3900
	SCALE	NONE	SHEET 5 OF 12

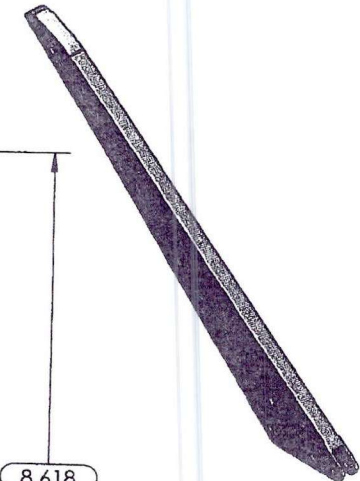
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.175 X 45.0° TYP

SECTION T-T

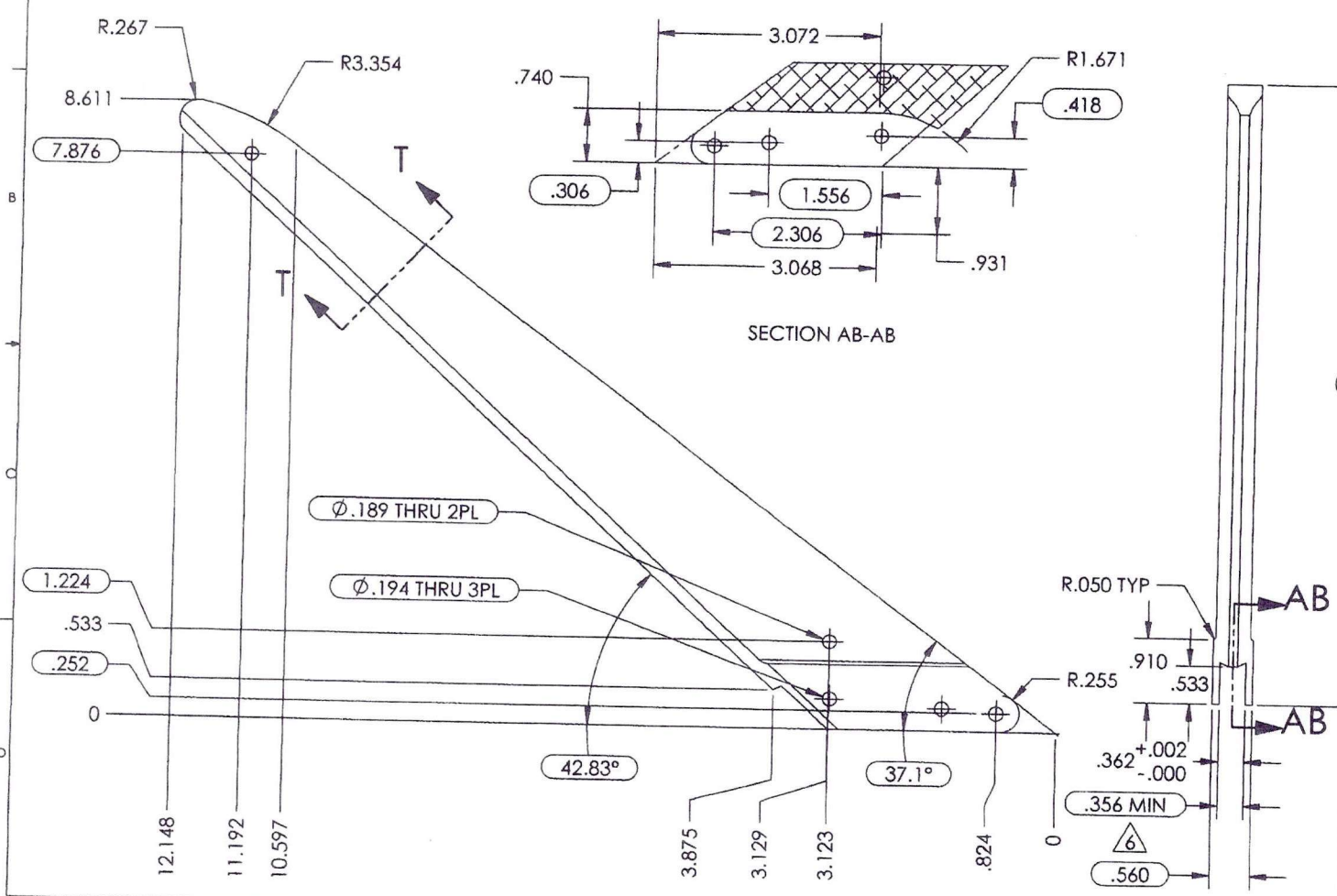


SECTION AB-AB



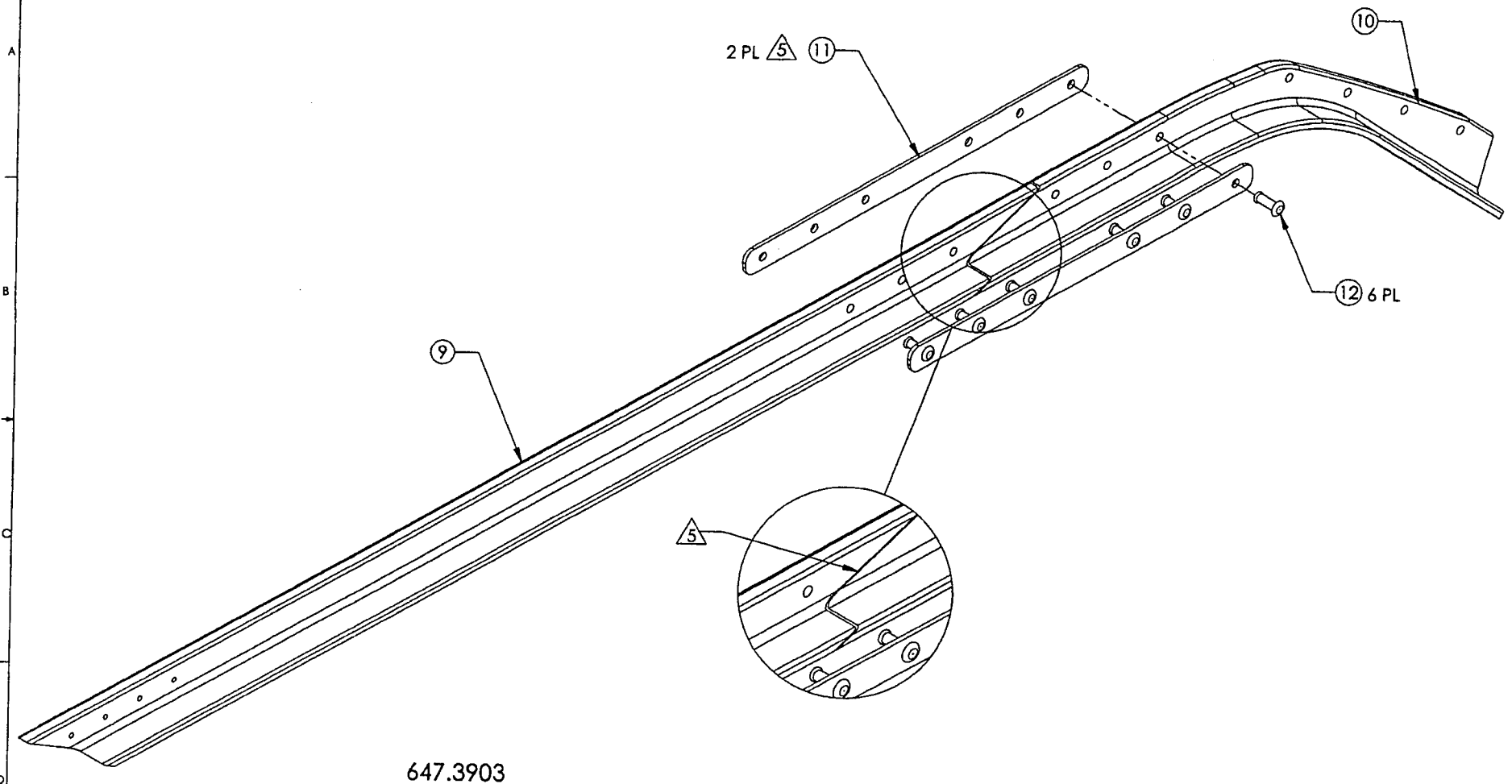
647.3914

A
B
C
D



ORIGINAL DATE (MM-DD-YY) 09-10-09		APICAL INDUSTRIES	
DRAWN BY D.SCHUR		2608 TEMPLE HEIGHTS DR.	
CHECKED BY D.BARKER		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. DIAVO		DEFLECTORS	
CONTRACT NO.		REV	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET 6 OF 12	REV C
SIZE B		CAGE CODE 07M16	DWG. NO. 647.3900
SCALE NONE			

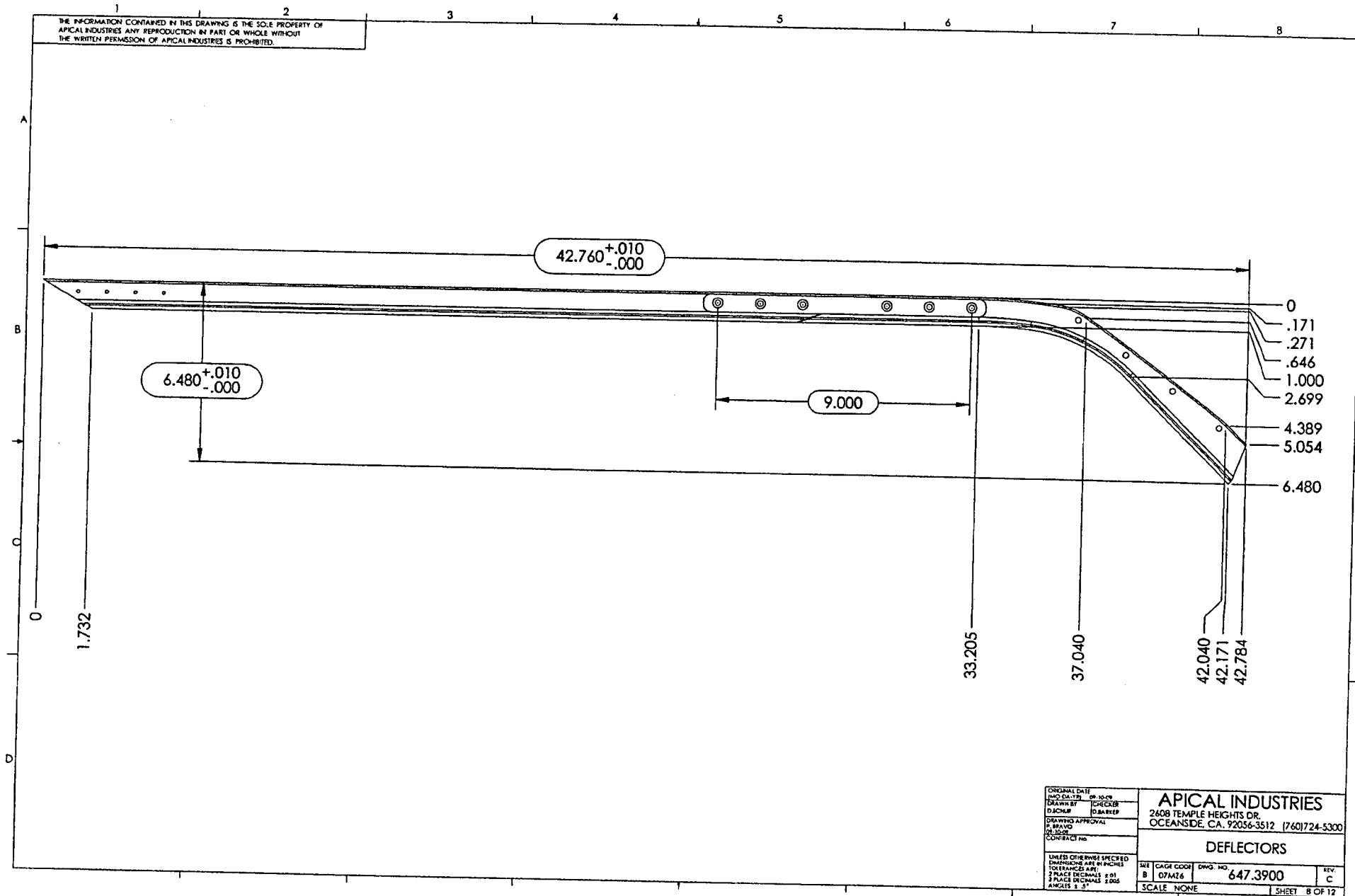
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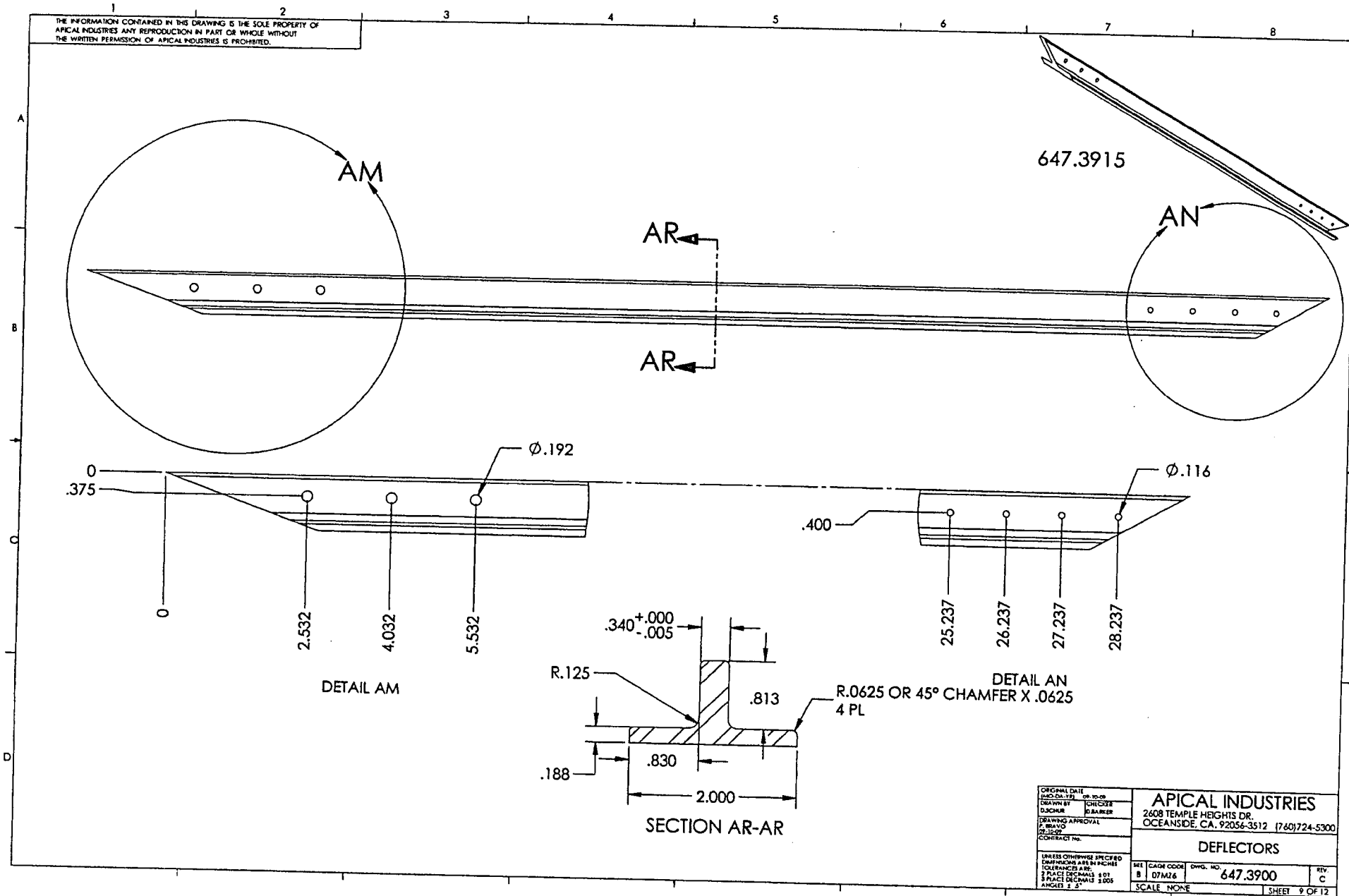
647.3903

ORIGINAL DATE 10-10-09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY D. SCHUR			
DRAWING APPROVAL P. MAJO			
CONTRACT NO.		DEFLECTORS	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.3°		SIZE 8	REV. C
		CAGE CODE D7ML6	
		DWG. NO. 647.3900	
		SCALE NONE	SHEET 7 OF 12

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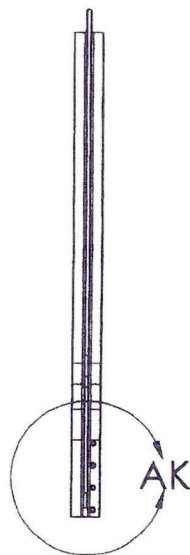


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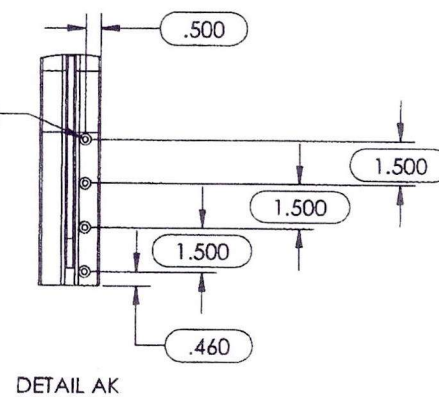


ORIGINAL DATE 1-20-79	APICAL INDUSTRIES
DRAWN BY J. BARKER	2608 TEMPLE HEIGHTS DR.
CHECKED BY J. BARKER	OCEANSIDE, CA. 92056-3512 (760) 724-5300
DESIGNING APPROVAL J. BARKER	DEFLECTORS
CONTRACT NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°	REV. C
SCALE: NONE	SHEET 9 OF 12

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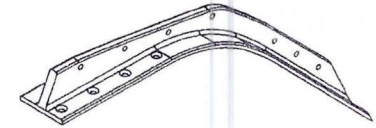
4X $\phi .196 \pm .010$ THRU ALL
 $\checkmark \phi .385 \pm .020 \times 100^\circ \pm 1.000^\circ$



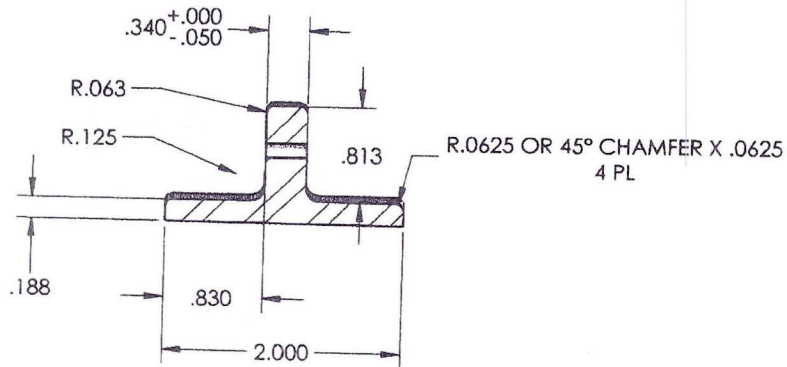
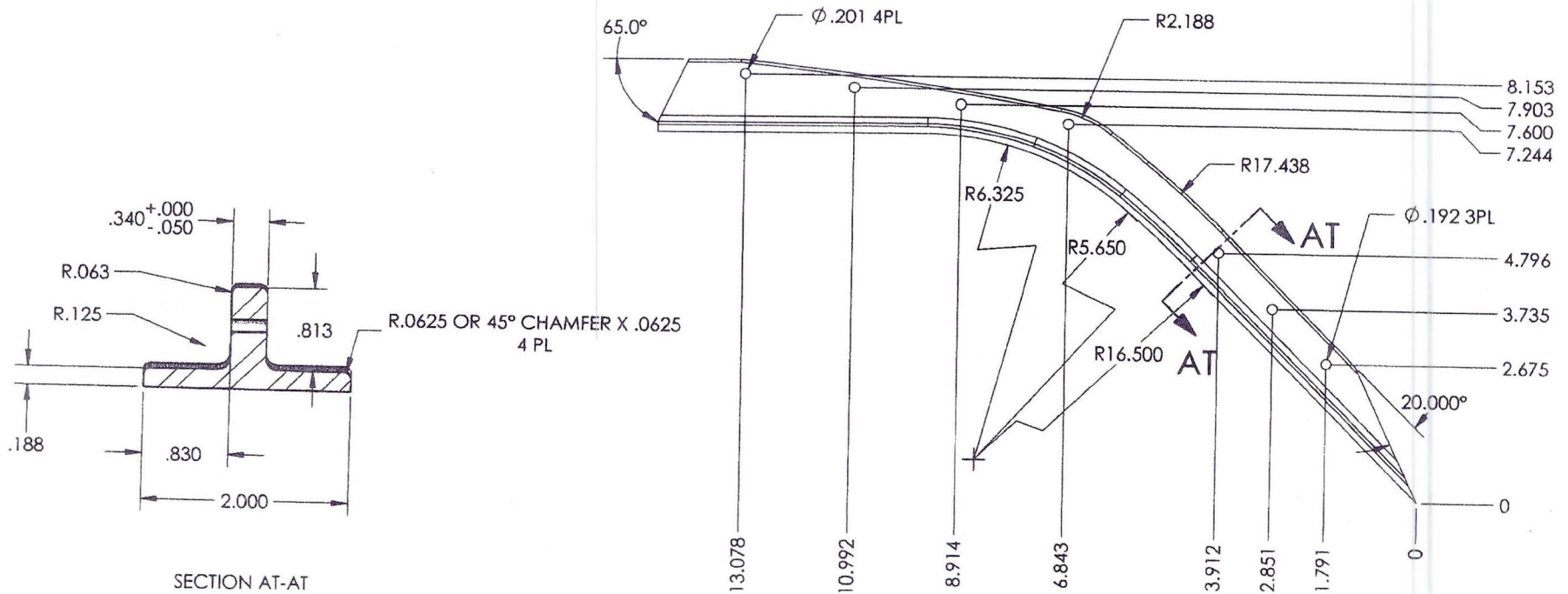
647.3915

ORIGINAL DATE JAN 24-1979		APICAL INDUSTRIES	
DRAWN BY D.SCHUB		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY D.BARKER		DEFLECTORS	
DRAWING APPROVAL P. BRAVO 05-10-82		REV B	REV C
CONTRACT NO.		DWG. NO. 647.3900	SCALE NONE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 PLACE DECIMALS $\pm .01$ 2 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		SHEET 10 OF 12	

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647.3916



SECTION AT-AT

ORIGINAL DATE
JAN-01-01
DRAWN BY
D. SCHUR
CHECKED BY
D. BARBER
DRAWING APPROVAL
P. BAIRD
06-10-07
CONTRACT NO.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

DEFLECTORS

SHEET	CAGE CODE	DWG. NO.	REV
B	07MZ6	647.3900	C
SCALE NONE		SHEET 11 OF 12	

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R.250
4 PL

.625

0

.500

2.000

3.500

6.500

8.000

9.500

10.000

647.9317

.090

Ø.196
6 PL

ORIGINAL DATE		DES. NO.	
DRAWN BY	CHECKED	APICAL INDUSTRIES	
DRAWING APPROVAL	DATE	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLE 1/2°		REV. C	647.3900
SCALE NONE		SHEET 12 OF 12	

DART AEROSPACE LTD		Work Order:	
Description: Deflector, Upper Half		Part Number:	647.3916
Inspection Dwg: 647.3900 Rev: C2		Page 1 of 1	

INSPECTION SHEET

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.340	+0.000/-0.050	0.335	✓		Kt-01	micrometre.
R0.063	+/-0.005	0.0625	✓		—	R-G
R0.125	+/-0.005	0.125	✓		—	R-G
0.188	+/-0.005	0.188	✓		Kt-01	micrometre.
0.830	+/-0.005	0.830	✓		Kt-05	vern
2.000	+/-0.005	2.000 1.997	✓		31006	H-G
0.813	+/-0.005	0.813	✓		Kt-04	Micrometre.
R0.0625	+/-0.005	0.0625	✓		—	R-G
Ø0.201	+0.005/-0.001	0.201	✓		Kt-05	vern.
65.0°	+/-0.5°	65.0°	✓		CNC-17	A-G
Ø0.192	+0.005/-0.001	0.192	✓		Kt-05	vern.
20.0°	+/-0.5°	20.0°	✓		CNC-17	A-G
Ø0.196	+/-0.010	0.196	✓		Kt-05	vern.
Ø0.385	+/-0.020	0.385	✓		Kt-05	vern.
100°	+/-0.1°	100°	✓		—	A-G
0.500	+/-0.005	0.501	✓		Kt-05	vern.
0.460	+/-0.005	0.460	✓		" "	" "
1.500	+/-0.005	1.500	✓		" "	" "
1.500	+/-0.005	1.500	✓		" "	" "
1.500	+/-0.005	1.500	✓		" "	" "

DAS

Measured by: Kt 1	Checked by: [Signature]	QC Inspector:
Date: 2018-10-07	Date: 18/10/18	Date:

Engineering Approval: (If necessary)	Date:
--	--------------

Rev	Date	Change	Revised by	Approved
A	14.08.28	New Issue	KJ	
B	16.08.29	Dwg Rev updated	KJ	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041303**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalonde, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO041303

PO Date: 10/10/18

Due Date: 10/24/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

EMAILED
OCT 15 2018

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	171200	647.3916	Deflector Issue P/O to ATG : Hard Anodize Color Black, Prime as per Dwg 647.3900 Rev. C	Firmed	-	10/17/18 OCT 18 2018	8 pcs	0 pcs	8 pcs	\$36.85/pcs	\$294.80
Grand Total:											\$294.80

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

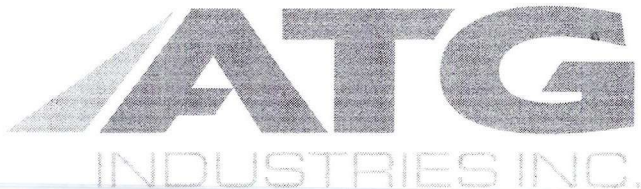
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/15/18 1:44 PM dart.lavoie.chantal



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 916254

Date: 17-Oct-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Charl Lavoie
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		Customer Choice	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
✓ 8 ea	Part: 647.3916 ✓ Deflector Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing. Job: 23904	Rev: C	PO: PO041303 ✓ Line: 1
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>7/10/18</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			

Made in Canada.